



**UNITED STATES DEPARTMENT OF COMMERCE**  
**Patent and Trademark Office**

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Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
08/619,682	05/23/96	LALLAGHAN	F 5003/PCT/US

N RHYS MERRETT  
SHARP COMFORT AND MERRETT  
13455 NOEL ROAD SUITE 1710  
DALLAS TX 75240-6636

LM41/1108

EXAMINER

LEGREE, T

ART UNIT

2744

PAPER NUMBER

22/H

DATE MAILED:

11/18/99

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

## Notice of Allowability

Application No.  
**08/619,682**

Applicant(s)  
**CALLAGHAN et al.**

Examiner  
**Tracy M. Legree**

Group Art Unit  
**2744**



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

- ☒ This communication is responsive to the amendments received on August 19, 1999 and November 3, 1999
- ☒ The allowed claim(s) is/are 86-90, 92-112, 118-120 and 122-155 renumbered 1-12, 14-42, 44, 47-54, 56-60, 13, 45, 61-63, 43, 46, 55
- ☒ The drawings filed on Dec 22, 1998 are acceptable.
- ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- ☒ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been
- ☐ received.
- ☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_
- ☒ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

- ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
- ☐ Applicant MUST submit NEW FORMAL DRAWINGS
- ☐ because the originally filed drawings were declared by applicant to be informal.
- ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. \_\_\_\_\_
- ☐ including changes required by the proposed drawing correction filed on \_\_\_\_\_, which has been approved by the examiner.
- ☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

- ☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

### Attachment(s)

- ☐ Notice of References Cited, PTO-892
- ☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 19
- ☐ Notice of Draftsperson's Patent Drawing Review, PTO-948
- ☐ Notice of Informal Patent Application, PTO-152
- ☐ Interview Summary, PTO-413
- ☒ Examiner's Amendment/Comment
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☒ Examiner's Statement of Reasons for Allowance

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**EXAMINER'S AMENDMENT**

1. An <sup>initialed</sup> examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Rhys Merrett on November 3, 1999.

2. The application has been amended as follows:  
In claim 126, line 2, --]-- has been inserted after "118".  
In claim 131, line 2, --]-- has been inserted after "117".

***U.S. National Stage Application***

3. Acknowledgment is made of the indication that the present application is filed under 35 U.S.C. 371. The required Forms PCT/DO/EO/903 and PCT/DO/EO/1390 are present in the application.

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***Information Disclosure Statement***

4. The information disclosure statement filed August 19, 1999 fails to comply with 37 CFR 1.98(a)(2), which requires a legible copy of each U.S. and foreign patent; each publication or that portion which caused it to be listed; and all other information or that portion which caused it to be listed. It has been placed in the application file, but the information referred to therein has not been considered. (The foreign patents received do not correspond with the foreign patent numbers listed on the Form PTO-1449.)

***Allowable Subject Matter***

5. Claims 86-90, 92-112, 118-120, 122-155 (renumbered as 1-12, 14-42, 44, 47-54, 56-60, 13, 45, 61-63, 43, 46 and 55) are allowed over the prior art of record.

6. The following is an examiner's statement of reasons for allowance: The invention is drawn to a data entry system comprising a hand holdable data entry device. The data entry device includes a reading sensor a controller, a display comprised in a unitary assembly. The data entry device includes a rewritable storage programmable with information relating to a plurality of items which are usable selectable by the reading sensor. The data entry device includes a speaker and/or microphone which permits the data entry device to be used as a telephone handset. The data entry system further comprises telecommunication interface for telephonic transmission of information relating to a selected item or items from the storage to a remote processing center via a telecommunication network, a cellular telephone network or a satellite telecommunication

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network for a telephonic reception of the information relating to the selectable items. The telecommunication interface can be represented by a telecommunications line for direct connection to the telecommunication network, or by an interface for connection to a wireless telecommunication network. The controller of the data entry device is arranged to respond to commands including commands which instructs the data entry device to commence downloading of information from the remote processing center as required for updating information previously stored in the rewritable storage. Lastly the data entry system further includes a carrier for a plurality of data and/or command codes for association with the display means of the data entry device, for displaying a plurality of selectable items. The carrier carries a plurality of codes, each for a respective one of a plurality of natural languages and/or numeric characters and a plurality of commands for controlling operation of the data entry system, each code being associated with a visual representation of the corresponding natural language or numeric character or command and/or of a graphical representation thereof.

The prior art of record does not teach or suggest the invention as described by the independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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***Conclusion***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tracy M. Legree whose telephone number is (703) 305-3859. The examiner can normally be reached on Monday-Thursday from 7:30 am to 5:00 pm. The examiner can also be reached on alternate Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dwayne Bost, can be reached on (703) 305-4778.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

**Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

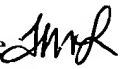
**or faxed to:**


(703)308-9051, (for formal communication intended for entry)

**Or:**

(703)305-9508, (for informal or draft communications, please label  
"PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive  
Arlington, VA., Sixth Floor (Receptionist).

Tracy M. Legree   
November 5, 1999

  
DWAYNE D. BOST  
SUPERVISORY PATENT EXAMINER  
GROUP 2700



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

**NOTICE OF ALLOWANCE AND ISSUE FEE DUE**

LM41/1108

N RHYS MERRETT  
SHARP COMFORT AND MERRETT  
13455 NOEL ROAD SUITE 1710  
DALLAS TX 75240-6636

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/619,682	05/23/96	063	LEGREE, T	2744 11/08/99
First Named Applicant	CALLAGHAN, 35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION DATA ENTRY SYSTEMS

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
2	5003/PCT/US	455-422.000	D95 UTILITY	NO	\$1210.00	02/08/00

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

- I. Review the SMALL ENTITY status shown above.  
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:
  - A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
  - B. If the status is the same, pay the FEE DUE shown above.
- If the SMALL ENTITY is shown as NO:
  - A. Pay FEE DUE shown above, or
  - B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.
- II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give application number and batch number.  
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

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